

Gridders' First and Only Home Game To Be Played On Briggs Field Saturday

Bethlehem Apprentices To Meet Inspired Beaver Grid Team Out For Victory

Tomorrow afternoon Technology's Cardinal and Grey football team will play the only home game of its season when it encounters the Bethlehem Steel Apprentice School from Fore River at 2:30 P.M. on Briggs Field. A crowd of several thousand students and their friends is expected to cheer the Beavers in their quest for the initial victory of the season.

Last week's heartbreaking loss to Hyannis seems to have had no effect on the Tech club other than to weld the spirit of the squad into a real fighting spirit. At practices during the week, Coach Hunt concentrated on developing a well-rounded, smashing attack.

That, more than anything, seemed to have been the flaw in last week's opener. Plays clicked only sporadically and placed an unnecessary burden on the kicking phase of the game. And the line, without enough pregame scrimmages, took most of the game to settle down and play as a unit.

Hook Drills Line

During the week Mike Hook, star tackle, coached the line ceaselessly, and the improvement in charging in dummy scrimmages has been noticeable. (Continued on Page 3)

Six '43 Men Make W. M. Committee

Selected From Group Of Twenty-Seven After Two Weeks

Six Sophomores were finally selected from a group of twenty-seven candidates for positions on the Walker Memorial Committee after two weeks of competition. The six successful men are: Robert W. Maxwell, Douglas G. Fenton, George A. Slifer Jr., Walter G. Sutton Jr., Douglass G. Root Jr. and Richard D. Wilson.

Next May three of these six will be selected as the Junior members of the committee, and the following February one of these three will be chosen as the chairman of the committee.

The committee members intend to spend this coming week-end at the Tech Cabin at Lake Massapoag, so as to become better acquainted with each other, and thus be enabled to cooperate in their duties as the "administrative body of the various student activities".

Second Placement Talk To Be Given Today

Mr. Paul W. Boynton, Supervisor of Employment of the Socony-Vacuum Oil Company, will deliver the second of this year's Placement Lectures at twelve o'clock today in Huntington Hall.

"Interviews" is to be the subject of Mr. Boynton's discussion, with special reference to the necessity of preliminary preparation for interviews, the actual mechanics of an interview, and methods to use in job-getting. Mr. Boynton who has lectured at Technology many times in the past, is one of the outstanding personnel men in the country.

Seniors and Graduate students are urged to take advantage of this opportunity to hear Mr. Boynton discuss this all-important part of a business career.

5:15 To Hold Victory Dance

Affair November 15 To Precede Football Game With Tufts

The first Technology Football Dance has been scheduled for Friday night, November 15. Under the auspices of the 5:15 Club, the affair will be held in Morss Hall of Walker Memorial, the evening before the Tech-Tufts J.V. football game.

Chapple Arnold, purveyor of smart, svelte swing tunes and his men of music have been engaged by the sponsors to play for Institute football fans from nine until two.

For Football Team

Principal reason for the dance, explains Norman I. Shapira, chairman of the committee running the affair, is to honor the football team for their efforts in reviving intercollegiate amateur football at Technology.

Sergeant George C. Hunt, mentor of the Tech gridders will be present at the dance with the entire team, when, as the climax of the affair, a silver trophy will be presented to the team with the appreciation of the student body.

Whole Team Expected

Free invitations have been extended to the full team to attend the dance, and although the Coach has expressed some hope that his charges get at least five hours sleep before any major game—and three for minor games—most of them are expected to be present for part of the evening.

The dance committee has announced that ticket sales will begin Tuesday, October 29, and will be available until the week of the dance. Price of admission has been listed at \$1.65 a couple.

Twelve New Men Elected By Dorclan

Upperclassmen Chosen After Regular Meeting At Parker House

Twelve dormitory upperclassmen were elected to Dorclan, honorary Dormitory society, last Tuesday evening at the regular meeting of that body. The election followed a party held at the Parker House last Friday evening for all candidates.

Those elected were: John B. Arnold, '42, Peter J. Dunne, Jr., '42, John E. Flipse, '42, Michael J. Hook, Jr., '42, Leon W. LaBombard, '41, Nils Otto John Loven, '42, Marshall J. McGuire, '42, John Meier, '41, Conrad N. Nelson, '41, Raymond G. O'Connell, '42, John E. Stadig, '41, Russell A. Thompson, Jr., '42. Next Monday evening these men will meet with Frank L. Langhammer, Jr., '41, chairman of the Initiation Committee, to learn more of their duties as initiates.

Class Of '44 To Hold Vital Field Day Rally

The last freshman rally before Field Day will be held this afternoon in Huntington Hall at 5:00 o'clock.

Track Coach Oscar Hedlund is to discuss the frosh's chances of winning over the Sophomores in the relay, and, according to Jerome T. Coe, '42, Jack Wood, the sailing master, will discuss the freshmen skippers' chances for victory in the dinghy race.

One-act Play Series To Be Inaugurated Tomorrow Night

"Eugenically Speaking", "Simple Soul", "The Mask", Are First Plays

The first of a series of one-act plays to be presented every third week by the Dramashop will be staged on Saturday in Room 2-190 at 8:15 P.M. Three plays entitled "Eugenically Speaking", "A Simple Soul" and "The Mask" will be presented in that order.

"Eugenically Speaking" is a short farce depicting the troubles experienced by a wealthy young woman in searching for a eugenically perfect husband among her gentlemen friends. "A Simple Story" will somehow manage to compound a coal miners' auto accident with love interest, and "The Mask" will run the gamut from sex to murder.

Casts Listed

The cast of "Eugenically Speaking" directed by George Power, '41, includes Ann Humphrey, '42, and Lewis G. Firth, '43. "A Simple Soul" is directed by Robert Lichten and its cast includes A. J. Schaeffer, '44, E. Humez, '42, H. Miller, '44, and Robert L. Lichten, '43. "The Mask", directed by Burton Eddy, '42, is played by Mary Guinan, '44, Allen Michaels, '44, and J. Weaver, '44.

Others concerned in the production of the plays are Production Manager Robert L. Mitchell, '43, Set Designer Burton S. Eddy, '42, Paul I. Pressel, '43, in charge of set construction, and Samuel Scharf, '43, in charge of Light and Sound. Officers of the Dramashop are Joseph E. Dietzgen, '41, President, Janet Norris, '42, Secretary, and Bernard A. Greenes, '42, Treasurer. The plays were coached by Prof. Dean M. Fuller.

A limited number of tickets at 35c will be on sale at the Dramashop office, Room 2-178, or they may be purchased from members.

Technology Leads The Field In Student Tuition Fee

The average tuition per student at Tech is the highest of any of 17 leading institutions in the country according to a report which was recently prepared for the Corporation of the Institute.

In the year 1938-1939, just after the \$600 tuition fee became effective, the Institute spent \$780 for each undergraduate while the average tuition per student—taking scholarships into consideration—was \$516.11.

Students Pay 50%

The regular operating expenses, including the \$1063 that the Institute spends on each graduate student per year, amount to an average of \$1037.31 per student, so that the student body may be said to pay about 50% of the educational costs.

The report goes on to say that "the

apparent ease with which the students at M.I.T. seemed to absorb the last \$100 increase in tuition fee naturally raises the question whether additional increases could be as readily absorbed."

Loans Increase

The fact that the Treasurer reported an increase of 25% in loans to students since the last raise in tuition leads the report to recommend that "it would be unwise to put into effect in the very near future additional drastic increases."

The fee at Technology in 1928 was \$300; it was raised to \$400 in 1929; to \$500 in 1932, and to the present \$600 in 1938. This represents an increase of 100% over a period of 10 years. In an analysis of tuition fees in some two

(Continued on Page 4)

Inst. Comm. Will Weigh Approval Of Drive To Aid War Prisoners

Lost Clothes In T.C.A. Must Be Claimed Now

Any student who might have left any article, or articles, of clothing at freshman camp are urgently requested to claim them before Friday, November 1, or they will probably lose them to some charitable organization.

All students who are missing any clothes from their wardrobes are advised to drop into the T.C.A. office and look over the pile of clothing which has accumulated there.

Tech Open Forum To Be Renewed On October 30

U. S. Senator Candidate, Lawyer To Be Speakers On Political Issues

Mr. Henry Parkman, Jr., Republican candidate for U. S. Senator from Massachusetts, and Mr. LaRue Brown, well-known lawyer and member of the executive board of the Massachusetts Independent Voters Committee for Roosevelt, are to speak at the Annual Tech Forum, from 4-6 P.M. Wednesday, October 30, in Huntington Hall.

Professor Theodore Smith, of the English department, will introduce the speakers, who are to discuss the important issues in the current presidential campaign, and answer questions in the open discussion periods after the formal talks.

The meeting is open to all students and members of the Faculty, according to Paul M. Erlandson, president of the Debating Society, who is to preside at the Forum.

Politicians Speak At A. S. U. Forum

Four representatives from the major political parties, of the United States, addressed a small, but interested, audience at the American Students' Union political forum, yesterday afternoon, in Huntington Hall.

The speakers discussed the various ideals of their respective parties in respect to the coming National election and to give an "election-eve" summary of the planks in the party platforms.

Party Representatives

Mr. Broderick, a member of the Harvard Law School, spoke in behalf of the Democratic party, and Mr. Gist, lecturer, publisher, and author, represented the Republican party. In behalf of the Communist party, Mr. Thomas O'Day, candidate for the office of Secretary of State in Massachusetts, outlined the purposes of Communism, while Mr. Penley, New England District Secretary of the Socialist party, spoke in its behalf.

After short addresses by each of the men, the students were invited to participate in a question and answer period. All of the speakers were quizzed by an interested audience upon various points ranging from budget balancing problems, to third term issues, and finally to the similarity of Communist and Socialist party doctrines.

Shipment Of Books To Europe Is Aim; First Special Meeting In Years

The Institute Committee meets in special session at 5 P.M. tonight to act upon a proposed solicitation of Technology men for aid to foreign student prisoners-of-war. Tonight's special meeting is the first in at least four years.

The World Student Service Fund, which aims to help imprisoned students and professors all over the world, is seeking permission from the Inst. Comm. to conduct its campaign here. As far as can be learned from Fund representatives sponsoring the proposal, the money raised will be used mainly to purchase books in the United States and ship them to Continental Europe.

To Sponsor Classes

Additional money would be used to sponsor classes and educational projects in the prison camps.

According to Mr. Charles Butler, of the Babson Institute and vice-chairman in charge of the Boston Area of this Fund, the educational projects and shipment of books will be permitted under a reciprocal

(Continued on Page 4)

Field Day Dance Features Top Hat In Decorations

Options Redeemable Next Week At Desk In Main Lobby

An elevated bandstand, with a top hat for the conductor's podium, will be the features of the decorations at the Field Day dance one week from tonight; at which Jan Savitt and his Top Hatters will hold forth with their "shuffle rhythm." All other decorations will emphasize the Top Hat theme.

Redemptions on options will begin Monday and continue until the day of the dance. Options may be redeemed at a desk in the main lobby through Wednesday, and after that through the members of the Committee. Full tickets will be available from the Committee up until the day of the dance.

Reservations for tables at the dance may be made at the Main Lobby desk on Monday. Tables will be available in both the balconies and in the Trophy Room. Three hundred options for the dance have already been sold.

T.C.A. Frosh Cabinet To Meet At Wellesley

The T.C.A. freshman Cabinet, which has several positions still open, is to hold a joint meeting with the freshman Cabinet of the Wellesley College Christian Association on Saturday evening, November 16, at Wellesley College.

The purpose of this meeting is mainly to acquaint the members with each other and, consequently, will be primarily social, with singing, dancing and games, as well as a light supper served by the girls.

The T.C.A. expects this meeting to be the forerunner of many joint meetings with girls' organizations resulting in mutual cooperation and benefit in regard to Christian Association problems.

The Tech

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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LOOK, THEN LEAP

The Institute is once again about to be touched for aid to war victims. That is to be expected. With most of the world pillaged, it's a pretty humane idea for the less unfortunate ones to loosen their purse-strings to aid the sufferers. Before giving money to any "good cause", however, it is our duty to investigate the destination and the results of our donations.

The first of what will undoubtedly be many such solicitations is the World Student Service Fund, which comes up for the approval of the Institute Committee tonight.

The apparent facts of its case are these: 1. Most of the money raised is to be used to buy books in the United States and ship them to China and Great Britain, but mainly to Continental Europe. 2. These books are intended for scholars — students, professors, and others—in prison and internment camps. 3. The method for accomplishing all this is extremely vague.

We say "apparent facts" because none of the persons on this campus who advocate approval of the drive can give concrete information on the mechanics involved in the use of the Fund. We are told—in general terms—that the various governments will allow distribution of these books under an existing reciprocal agreement.

We see only one flaw in the plan. No one seems sure of just how the books are going to get to Continental Europe. We know that the American Red Cross is unable to ship supplies of any type to the Continent. How the World Student Service Fund intends to accomplish a feat impossible for the Red Cross is a mystery.

This, the practical side of the problem, is but one of two phases which should be examined by the Institute Committee and the students individually. The second side is a moral question of relative values. In this case—can we ethically contribute money for mental succor when so many bodies are suffering? World emergencies like that exist-

ing today are times to satisfy life's primary needs, not times to cater to less vital indulgences.

The whole plan, therefore, seems to us neither feasible nor morally desirable. Its ideological values are questionable; its achievement is high impossible.

CARRIE NATION WALKS AGAIN

Up in Hanover, N. H., last week a Dartmouth Senior was suspended for violation of the college administration's regulations concerning drinking. That action and the subsequent events present a sorry picture of college student-administration relationships.

That a faculty committee should have to frame, and then even enforce, a restriction on college men's drinking, or on any other personal aspect of their lives, is far from a tribute to the administration's conception of education or the young man's self-sufficiency. Whether the offender was guilty of "uncontrolled or uncontrollable drinking" or not, he and the Dartmouth administration certainly must feel that the whole affair is decidedly incongruous and not a little bit awkward. Professors are not needed to see that students don't over-indulge any more than they are needed to feed them their vitamins each day or see that they have enough cover at night.

Worst of all, the situation in Hanover is now no better than ever. The erring Senior has been reinstated, but a lot of bad feelings have been created. Reinstatement only came after a student petition and an administration counter-petition signed by 1314 Dartmouth men, which was necessary to guarantee student observance of college rules in regard to drinking. All the signers* of the counter-petition now must be under surveillance like kids who might walk on the park grass, for "the Administration intends to use the penalty of suspension or separation in any case when drunkenness or disorderly conduct provide indisputable proof of excess drinking."

We don't know whether the Dartmouth men just can't hold their liquor or whether the administration at Hanover is being unreasonable in its accusations. But it's lamentable that the College officials saw fit to adopt this nurse-maid attitude. And somehow we have a feeling that the traditional Harvard-Dartmouth Ball tomorrow night will not be the model of sobriety for which the Dartmouth administration hopes.

FREEDOM OF SPEECH

The freedom of speech that their forefathers died for is being throttled today by unthinking Americans.

Men who honestly and sincerely believe that the United States should not extend material aid to Great Britain, who believe, with utmost conviction that the consequences of our present foreign policy will lead us to active military participation in Europe's war, are being branded as pro-Nazi because they are acting in what they believe to be America's best interest.

Men who believe that compulsory conscription in peacetime is a step to fascism (and it was in Europe) are stigmatized with cries of "fifth columnist!" and "traitor!"

These men are loyal Americans, not renegades. They believe, as Americans living in the world's only democracy, that there are errors in our present policy and that they must be corrected.

Whether we agree with them or not they are still Americans, with free speech guaranteed them under the Constitution.

At no time before in our history have tolerance and understanding been so necessary. We must not believe that, because some men have beliefs contrary to majority opinion, they are enemies within our midst.

It is only under democracy that freedom of speech and minority opinion are respected. If we are to maintain democracy in America above all else we must maintain these.

—The Akron Buchtelite.

The Institute:—

A place for men to work, not—

For Boys To Play

Editor's Note: With this issue The Tech is inaugurating a new column, which, it is hoped, will prove of interest to the students at the Institute. We will try to bring regularly to the readers of The Tech notices of the social activities being sponsored by the various residential and activity groups at Tech.

The Brookline Brawl, alias the Beta Theta Pi Barn Dance, is scheduled for tonight. With the usual hay refreshments, and music, it will get under way this evening at ten. Ken Reeves and his orchestra have been engaged to supply swing. Dress is informal; costumes to harmonize with the scenery—preferred.

Back on Beacon St., Sigma Alpha Epsilon is setting up harbor facilities where old soaks—excuse us, old salts—can tie in for the evening. Frank McGinley will play for dancing, beginning at ten. Dress is informal. "Very," say the SAE's. And what are these whispers we have been hearing about a life-size Petty picture?

Phi Beta Delta is holding a formal house warming dance tomorrow evening from nine-thirty on. In case you didn't now, the Phi B D's have moved

A. S. U. District Group Planning Picnic Sunday

The New England District Organization of the American Student Union will hold its fall picnic Sunday afternoon, October 27, at "The" Farm in Norton, Mass. The picnic will be attended by groups from Wellesley, Simmons and Radcliffe, as well as from men's colleges in New England.

The cost of the affair, which will last from noon until midnight, will be \$7.50. This includes plenty of food for supper and transportation down and back. There will be square dancing in the barn of the fifty-acre farm, a puppet show, and other forms of entertainment.

Those who attend are welcome to bring dates. Tickets for the affair may be obtained from Ervina M. Rips, '41, dormitories, or from I. Seth Levine, G.

A.I.Ch.E. Holds Smoker In 5:15 Room On Monday

A "get-acquainted smoker" to aid interested students in acquiring an idea of the functions of the American Institute of Chemical Engineers, is to be held Monday, October 28, in the 5:15 Club Room in Walker Memorial.

Present at the smoker will be many of the professors and instructors with whom the Course X members will come in contact, and the leading student members of the chapter. All undergraduate students who are interested in the field of Chemical Engineering are invited.

Professor Walter G. Whitman, of the department of Chemical Engineering, will speak to the group on the topic, "What's ahead for the Chemical Engineer." At the conclusion of the talks coffee, doughnuts, and cigarettes will be served.

VISIT ANTI-FREEZE HEADQUARTERS TODAY

Put "Prestone" Anti-Freeze in once and you are set for the whole winter. Prevents Rust and Corrosion.

NO

FREEZE UP
BOIL OFF
FOAMING

NO

REPLACING
FIRE HAZARD
FUMES

Guaranteed in Writing — Drive in Today

RALPH'S FRIENDLY ESSO STATION

84 MEMORIAL DRIVE — NEXT TO DORMS



\$2.65 PER GALLON

the location of their chapter house from 71 Bay State Road to a new place at 450 Beacon St. They are having their friends in to help open their new dwelling place. Dancing will be to the rhythms of Ralph Burns, and his orchestra, which was formerly led by Bob Adams.

The staff of The Tech will take over a room of the "72 Alleys" down on Huntington Avenue tomorrow evening at nine for a bowling party. Members of the staff and dates are invited to try their skill at bowling, coke-drinking, and wolfing on each other.

The fall informal pledge dance of Kappa Sigma will be held Saturday at their chapter house. Latest plans call for a victrola dance.

Devotees of Terpsichore among the foreign students in Boston will have their fling tonight at 8 in Morss Hall of Walker Memorial. The dance is sponsored by the International Student Council of Boston. A large attendance is expected. Dress is informal.

Cider, doughnuts, and, to quote the notices, "Korn by Mike Freuh and his Konnecticut Kernels" will be offered to members of the Outing Club at their barn dance tomorrow evening. Thirty girls from Radcliffe and Simmons will join the O. C. men in the Portland Fancy and whatever the caller can think up. The scene of the festivities is Hangar Gym. Four hours of dancing beginning at 8 P.M.

The First Church of Christ, Scientist
14 Cornhill, Boston, and St. Paul St., Boston, Massachusetts
Sunday Services 10:45 a. m. and 7:30 p. m.
Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.
Reading Room — Free to the Public, 315 Washington St., opp. Milk St., entrance also at 34 Province St., 420 Boylston Street, Berkeley Building, 2nd Floor, 60 North Ave., corner Massachusetts Ave. Authorized and approved literature on Christian Science may be read or obtained.

The Country Club Ballroom
TOTEM POLE
On Commonwealth Avenue (Route 20) in Auburndale.
Leading dance bands . . . \$1.35 per couple
dance floors . . . over 100 luxurious divans. Now being heated for dancing all winter.

NOTICE TO TECH MEN
For every \$1.25 you spend at RALPH'S FRIENDLY ESSO STATION you will receive two tickets. One ticket you keep — the other is deposited in a sealed box.
At the end of the month three tickets will be drawn, and the three fellows holding the corresponding tickets will get free prizes.
COME IN — Ask About it
RALPH'S FRIENDLY ESSO STATION
84 MEMORIAL DRIVE
NEXT TO DORM

Gridders And Booters Share Spotlight

Captain McGuire's Beaver Gridsters Meet Apprentices In Home Game

(Continued from Page 1)

able. Actual contact has been conspicuous by its absence. Because of the shortness of the evening practice sessions and the fear of injuries to a squad which isn't even too deep with experienced players, Coach Hunt has had to forget this invaluable work and concentrate on dummy scrimmages.

Coach Hunt has appointed right guard Milt McGuire, '41, to lead the Beaver gridsters as temporary captain. He will anchor the heavy line which stood out defensively in the Hyannis tilt.

Backs Are Crowd Pleasers

Tech has a collection of crowd pleaser backs. They're small but fast, and all of them are pretty fair break-away runners. Jack Arnold will carry the kicking burden and is capable of surprising with his passing and running ability. At Hyannis, Arnold gained 4 yards per carry, completed 2 passes in 5 tries for a total of 32 yards and averaged forty yards apiece on ten punts. There are few backs in this section who can show a more impressive record.

Bill Hooper, who may see little action because of a slight ankle injury, was spectacular defensively last Saturday. He intercepted a pass and ran back two kicks for a total of 43 yards. Monk Bunn averaged 3 yards per carry and ran back a kickoff 23 yards on one of the fastest jaunts of the game.

On the other side of the field will be a strong collection of ex-high school stars led by Win Oliviero, former All-Scholastic halfback in the Eastern Massachusetts Schoolboy League. The Apprentices will furnish plenty of opposition and will flash a swift, smart group of backs led by the aforementioned Oliviero.

SATURDAY'S FOOTBALL CAPTAIN



Staff Photo

Milt McGuire, '41, right guard, who leads the Beaver Junior-Senior grid squad into its first and only home game of the present season against the Bethlehem Apprentice from Fore River, Massachusetts.

Football Team Lineups For Game Tomorrow

Briggs Field Starting Lineups

| M.I.T. | | Fore River |
|-------------|-----|------------|
| Evans | le | Killorian |
| Hook | lt | Quinn |
| Given | lg | Desmond |
| Foote | c | Jago |
| McGuire | rg | Howley |
| Van Greenby | rt | Burns |
| Bowman | re | Edgar |
| Dodson | qb | Marani |
| Fabacher | lhb | Peterson |
| Arnold | rhb | Murphy |
| Brady | fb | Oliviero |

Game time—2:30 P.M.

Loss Of 3 Stars Lowers Chances Of Cross Country

Squad To Face Yale Without Cochran, Brady, And Backer

Chances of the Beaver cross country team have been greatly lowered for the coming meet against Yale next Saturday, due to the loss of three of the best men.

Gene Brady, star junior runner, has left the squad to play football; Bill Cochran, captain of last season's freshmen, is out with a bad leg, and Stan Backer, scheduled to captain the team, has been forced to retire from the meet with a boil behind his knee.

The team to date has not been up to standard. In the first meet against Connecticut, they were badly defeated 15-40, and last week they went down to Massachusetts State 23-33. McGregor, first Tech man home last week, is expected to do a good job again this week, supported by a team consisting of Turnock, Gow, Gott, Robert Miller, Corsa, and an undecided man who will take Backer's place.

Grid Tilt Postpones Handicap Track Meet

The regularly scheduled track handicap meet for next Saturday afternoon has been postponed for a week, according to a statement made by Oscar Hedlund, track mentor, last night.

Due to the fact that the football game against Bethlehem Apprentices was scheduled for the same time as the meet, it was felt that the two events would conflict, and the tracksters retired in favor of the gridmen.

Oscar Hedlund announced that the meets will continue on each Saturday after the grid tilt until late November.

Natators Face Amherst First

December 14 Is Date For Opener; Harvard Comes Next

The swimming team will meet its first opponent of the year in Amherst on Saturday, December 14. Coach Jarosch is optimistic and "Expects to give them a run for their money." In the second meet with Harvard on the following Wednesday, the Beaver Swimmers have a score to settle from last year and will be "laying for Harvard who skunked them last year," according to Manager Art Sweeney.

Among those expected to make a good showing in diving are Captain Dave Howard, New England Intercollegiate diving champ, Johnny Sexton, and Captain Jay Jerome. Howard, whose time this early in the season equals his best of last year, is expected to break the Technology record in the 440.

Free Stylers

Outstanding in the free style are Jack Sommers, Henry Tiedemann, Charlie Kelley, Eddie Pepper, Phil O'Neil, Phil Henhard, Matt Sage, Jack McDonough, and Johnny Murdoch, who has recently shown up for practice.

Coach Jarosch also has a number of promising backstrokers on the team in Jack Alterkruse, Robert Barnford, Tom Dwyer, Dick Foley, and Bill Barrett. Among the breaststrokers are Johnny Marloep, Jack Loveland, and George Hilch.

90 Frosh Out

Coach Smith, although reticent as to the abilities of the frosh team, expects one of his best years. At present there are 90 boys out, and more are expected after P.T. starts.

One of the newest additions to the swimming equipment is a gadget which acts as a sort of speedometer and measures the power of the swimmers' kick.

Cardinal Booters With Two Losses Against Them Meet Coastguard

Playing their first home game of the year, the Cardinal booters will meet Coast Guard for the first time in many years on Briggs Field, Saturday afternoon. Tech, still somewhat bruised from last week's game against Trinity, will be on their mettle in trying to make up for their previous two defeats this season, which games they dropped mainly due to bad breaks.

The team has been practising hard the past week and is shaping up well. The defense is playing excellent ball, with Herzog in goal saving them from many difficult situations. Loven and Johnson in the full back berths, are giving him able support, while the halves, Samuels, Heidt, Estes, and Foster are doing well in their positions.

The forward line of the team has not been doing as well, however. They are unsettled and ragged in their play, especially in their combination. Coach Malcolm Goldie is worried about them and has been working hard to iron out the kinks. The whole team is bad on defence. It lacks ability to finish off movements, and can not seem to put the ball in the goal, although it often carries it right up within easy shooting range.

Coast Guard has had, in past years, a fairly strong aggregation, and it is believed that a polished combination will meet the Beavers on Saturday. The Beavers, however, with a little more teamwork than they have shown in the past three weeks, should have a good chance against the Academy.

The team for the game is as follows: Herzog, G; Johnson, Loven and Fay, FBs; Foster, Samuels, Heidt and Estes, HBs; Fonseca, Kirman, Fernan, Bises, and Fernandez, forward line.

Experienced Frosh Out For Wrestling

With at least five experienced freshmen in various weight classes already out this year, Joe Rivers, wrestling coach, holds high hopes of having excellent teams in both varsity and freshman competition.

Heavyweight Frank Walke, 128-pounder Dick Grant, 145-pounder Harry Clew, and 165-pounder Bob McCandliss are perhaps the outstanding freshmen who have turned out. Walke and Clew have wrestled on championship squads, and the others have all had experience on prep school teams.

SPORT SLANTS

by HARVEY I. KRAM, '42

FIELD DAY PREDICTIONS

With Field Day only a week off, it is rather alarming to note the great overbalance of power the Sophomore teams hold over their freshmen rivals. It is alarming because the keen competitive spirit exhibited in past years has made Field Day one of Technology's greatest traditions. Unless the Class of '44 can summon forth more support for their teams during the next week, this year's freshman class will not stand much of a chance of redeeming their freshman obligations at Christmas.

Tug-of-war in past years has been generally one of the most closely contested events of the day. However, this year it looks like the Class of '43 will have little difficulty in repeating last year's victory in this event. The Sophomores out-weigh the freshmen by an average of ten pounds, and the "surprise" system that their coach has worked out will probably insure their chances of winning. The only salvation for the freshman class is to get some real heavy men out for tug-of-war, and to develop a much better coordination of pull.

'43 TO TAKE FOOTBALL GAME

In football, almost the same story as tug-of-war can be told. However, the freshman football team has plenty of pep and spirit, but unfortunately it is going to take more than this to beat the hard hitting Sophomore team. The second year men have the advantage of weight, size and experience. In addition they are much better blockers and also will probably be able to walk right through the weak freshman line. They play more as a unit than the first year team which has plenty of potentially good material but lacks the organization necessary for victory. The Sophs ought to win something like 21 to 0.

Last year The Tech in reporting the results of Field Day printed a cut caption "The annual heartbreak". This sums up very nicely the advantage the Sophomores have in the track event. For the past two years the freshman relay team has lost because of the poor passing of the baton due to inexperience. This may not occur again this year, but in any event the class of '43 will have the upper hand because they have experience on their side.

The outcome of the largest event of Field Day, the Glove Fight, cannot be estimated very well. The freshmen have the advantage of numbers, but unless they can muster more spirit than they have previously shown, this will not be enough to overcome the experience and organization of the Sophomore class.



Caswell To Head Pistol Team

Captain Arthur D. Caswell, Ordnance Reserve, will lead the Technology pistol team into its fifth season, its third as an officially recognized sport, as newly-appointed coach, it was announced yesterday.

Returning to this year's squad are six of the seven letter men of last season. These men and newcomers are to practice on Mondays from 12 to 2 at the rifle range behind the swimming pool, with free ammunition for all.

Schedule Revealed

Twenty-one matches played by remote control through Uncle Sam's mails have already been scheduled with teams throughout the nation. Next spring, the National Rifle Association plans to hold a Regional Inter-Collegiate Championship Contest at the Institute range.

BEAVER TALES

By JACK QUINN

There are fresh chalk lines on Coop Field's gridiron today. Those lines are out there to be crossed by Technology's fighting footballers tomorrow when they make their first and only appearance on home grounds this season. Those Juniors and Seniors will be on that field playing the game they love with all their strength. And that strength will be increased at least tenfold if the team can hear the cheers of red-blooded Tech men resounding from the stands.

Why, even at Hyannis, 'way down on the Cape, that bail club of ours had some fifty odd rooters. With this game right across the street, there's certainly no excuse for a so-called loyal Tech man who shirks his duty to his team. We'll even skip the duty angle, if you like. Let's ask this question: "How many Tech students have ever shouted encouragement to a friend who was playing his heart out on some football field for his alma mater?" You can bet your Beaver there won't be many real men who haven't at some time enjoyed that thrill of seeing a buddy make a crashing tackle or a smashing line buck.

180-POUND LINE WILL CRASH

Don't think our boys won't be in there playing bang-up football. We'll have a 180 pound line out there, you know. Mike Hook, Earl Foote, "Two-ton" Van Greenby, and the rest won't give any ground. Game Captain Milt McGuire, Tex Given, the other guard, and wingmen Evans and Bowman are players who know the game inside out. Yes, Mr. Tech Man, you haven't any cause to be ashamed of your team.

Inexperience this year and lack of training will, however, be the two bugaboos that face the cardinal gridmen. Quarterback Chuck Dodson, and acks Fabacher, Arnold, Brady, Meyer, and Bunn should be able to take advantage of any breaks that come their way. We feel certain that the Beaver gridsters, if they know they are being backed solidly by their fellow students, will give a good account of themselves. If they get the breaks, they'll win for Tech.



CALENDAR

FRIDAY, OCTOBER 25

5:00 P.M. Technique Pictures—Faculty and Alumni Room.
5:00 P.M. Institute Committee—Litchfield Lounge.
5:00 P.M. T.C.A. Cabinet—T.C.A. Office.
6:15 P.M. Boston Bacteriological Society—Pritchett Hall.
8:00 P.M. Foreign Students Dance—Morss Hall.

SATURDAY, OCTOBER 26

1:30 P.M. Chess Club Meeting—East Lounge.
2:30 P.M. Football Game—Briggs Field.
5:00 P.M. Technique Pictures—Faculty Room.
6:15 P.M. Boston Bacteriological Society—Pritchett Hall.
8:00 P.M. Foreign Students Dance—Morss Hall.

SUNDAY, OCTOBER 27

5:00 P.M. Technique Pictures—Faculty Room.

MONDAY, OCTOBER 28

5:00 P.M. 5:15 Club—Litchfield Lounge.
5:00 P.M. Institute of Aeronautical Sciences—Room 33-204.

Debating Society Gets Radio Time For Its Debates

Colonial Network Grants Use Of Air On Friday Afternoons

Radio time every Friday and every other Tuesday from three to four in the afternoon has been secured from station WAAB of the Colonial Network by the Technology Debating Society. These radio broadcasts will be used for network debates with teams from other colleges.

The first of these debates will be against Harvard from three to four P.M., Tuesday, November 8, it was announced at the second regular meeting of the Debating Society held last Tuesday in Tyler Lounge.

Debate on Un-American Activities

The first debate with Harvard is on the subject, "Resolved that all un-American activities should be suppressed." Technology will uphold the negative and a decision will be rendered over the air directly after the debate.

The following is a list of scheduled debates issued by the secretary of the Debating Society.

Nov. 8, Harvard Radio Debate; Nov. 22, St. Lawrence University; Nov. 23, R.P.I.; Nov. 28, Union College; Dec. 5, Middlebury College—Away; Dec. 6, Boston College; Dec. 13, Brown University and Rhode Island School

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October T. E. N. Will Go On Sale Monday, Tuesday

Automotive Articles Claim Major Portion Of First Issue

The first issue of the Technology Engineering News for the 1940-41 season will go on sale in the Main Lobby, Building 10, Monday and Tuesday, October 28, 29.

Two articles of the October issue deal with non-technical subjects in the general field of engineering; two cover the automotive industry; and one outlines the problems faced by recording companies.

"A Challenge" to Students

Mr. Adam K. Stricker, Jr., '29, staff member of General Motors Corporation, has issued "A Challenge" in which he points out why students should go out for activities. He outlines those desirable qualities of an engineer which can best be obtained through working in extra-curricular activities.

"Detroit's Class of '41" by Harvey S. Freeman, '43, continues the T.E.N.'s usual policy of describing both pictorially and journalistically the new models in the automotive field. Also in transportation lines, "Fluid Transmission" by John A. Sibley, '43, lists the various forms of fluid clutch mechanisms in use by automobiles, trucks, and busses.

Sales Engineering Qualities

"In Sales Engineer", Mr. F. J. Curtis, director of development at Monsanto Chemical Company, describes the qualities, requirements, duties, and chances of success for young men in sales engineering.

"Waxes of Yesterday and Tomorrow" by Mr. A. Pulley, chief recording engineer for R.C.A., reveals the problems connected with the growing production of victrola records. His article also covers the history and development of wax recording.

Inst. Comm.

(Continued from Page 1)

agreement between the warring nations.

Shipment Impossible

Information secured by The Tech from the American Red Cross indicates, however, that the transportation of any form of supplies to Continental Europe is not being accomplished. According to Joseph R. Hamlen, chairman of the Metropolitan Boston Chapter, of the American Red Cross, the latter organization has been unable to land any material on the Continent since June of this year.

Costs

(Continued from Page 1)

hundred colleges and universities, Trevor Arnett reported in "Occasional Papers No. 11" that the average percent of increases in 1936 over 1928 in 38 of the 200 schools studied was only 14.6%.

Research Expenditures

The survey also compares the income and expenditures of the Institute with those of twelve other leading universities and technological institutions. The California Institute of Technology sunk 40.5% of its total expenses in research, followed by Purdue with 22.3% and Technology with 20.7%.

In accordance with such large disbursements for research, these three schools spent the least for student instruction as compared with the other ten. Johns Hopkins, Pennsylvania, and Cornell lead in this respect with 76.7%, 72.1%, and 70.2% respectively. Technology spends only 48.8% for instruction.

Large Endowment Income

Practically all of Technology's income comes from student fees and endowment, as is the case with Columbia, Carnegie Tech, Pennsylvania, Princeton, Lehigh, Johns Hopkins, and Yale. The California Institute of Technology, Cornell, Purdue, Michigan, and Illinois, on the other hand, receive the major part of their income through government grants and gifts.

125 Crewmen Row On Charles

Every morning at six-thirty o'clock one hundred and twenty-five boys, including thirty varsity men, seven from last year's team; twenty-five one hundred and fifty-pounders, and seventy freshmen, report to crew. A few time trials have been taken and from all results success is to be expected this year.

The crew now has seven shells, two of them new last year, and ten barges. As yet no permanent teams or boats have been selected and all those who have reported will have a chance in a shell. By the middle of November, temperature conditions will be such that all practice will be at the machines.

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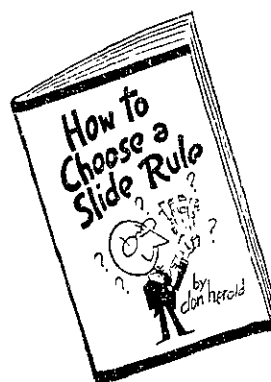
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